

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

August 2, 2006

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor *DWH*
SM Pete Hess, Team Lead

FROM: *SC* Steve Christensen, Environmental Scientist

RE: Mine Site As-Built Drainage Controls, Task No. 2543, Canyon Fuel Company, Dugout Canyon Mine, C0070039

SUMMARY:

On May 31st, 2006 Canyon Fuel Company, LLC (the Permittee) submitted MRP revisions associated with mine site drainage controls. The submittal includes revised plates depicting the ditches, sediment traps and culverts associated with the Dugout Canyon Mine's drainage system. In addition, the submittal contains the text changes that were necessitated from the re-naming/re-numbering of several drainage features at the mine site.

On August 1st, 2006, the submitted plates depicting the drainage system at the mine were field verified. In light of significant rainfall events at the mine site prior to the field inspection, it appears that the drainage system is functioning as designed.

The submitted as-built plates and text revisions should be approved and incorporated into the Dugout Canyon Mine MRP.

TECHNICAL ANALYSIS:

OPERATION PLAN

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-512, -301-521, -301-542, -301-632, -301-731, -302-323.

Analysis:

Mining Facilities Maps

The submitted information meets the requirements of **R645-301-731**. Plate 7-5 depicts the surface runoff drainage system for the Dugout Canyon Mine facility. Division personnel conducted an on-site inspection of the depicted drainage system on August 1, 2006. The hydrologic structures (sediment traps, culverts, ditches etc...) depicted on Plate 7-5 were field verified at that time.

Plate 7-7 depicts the watershed delineations for each of the hydrologic structures and features associated with the designed surface drainage system. Upon field verification, the watershed delineations appear to be accurately depicted on Plate 7-7.

The Permittee also submitted Plate 7-8, which depicts the alternate sediment control and watershed boundaries.

Findings:

The submittal meets the Environmental Resource Information requirements for Maps, Plans and Cross Sections of Resource Information as provided in **R645-301-731**.

RECOMMENDATIONS:

The submitted as-built information meets the State of Utah Coal Mining Rules and should be approved and incorporated into the Dugout Canyon Mine MRP.